PathWave Calibration Advisor

Optimize Setup for your Needs

PATHWAVE

Keysight Instrument Calibration Management

Test instrument calibration is vital to maintain optimal performance and ensure measurements meet specification just as they did when the instrument was first received. Keysight's PathWave Calibration Advisor (PCA), a built-in software application for Keysight's Windows-based instruments keeps track, and reminds you, of instrument calibration intervals.

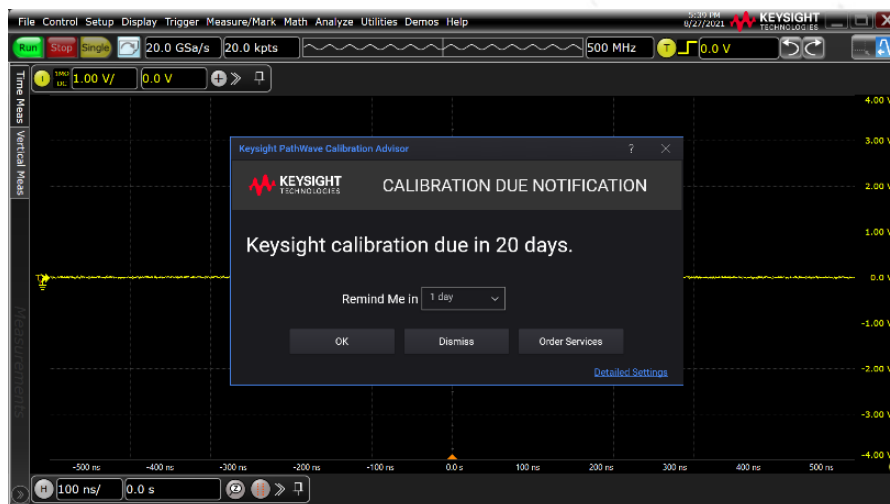This configuration guide helps you locate and start using PCA today.

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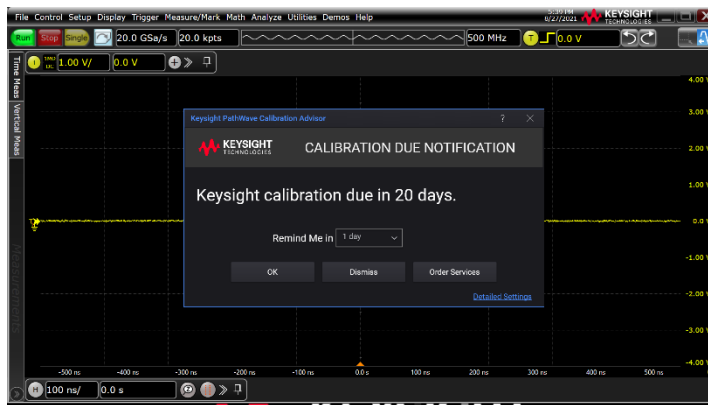
Configuring PCA for Calibration Intervals

There are two methods for configuring the PCA calibration interval reminders: by using the instruments front panel, or with SCPI commands.

Configure PCA from your instrument's front panel

To launch PathWave Calibration Advisor or check your instrument's calibration status, locate and select the PathWave Calibration Advisor from your instruments front panel menu. The table below provides information for locating the PCA application on your instrument.

Calibration

PCA helps you maintain your instrument's optimal performance by enabling you to set and manage the periodic calibration settings like calibration interval. You can configure PCA to remind you when a calibration is due with a front-panel pop-up notification.
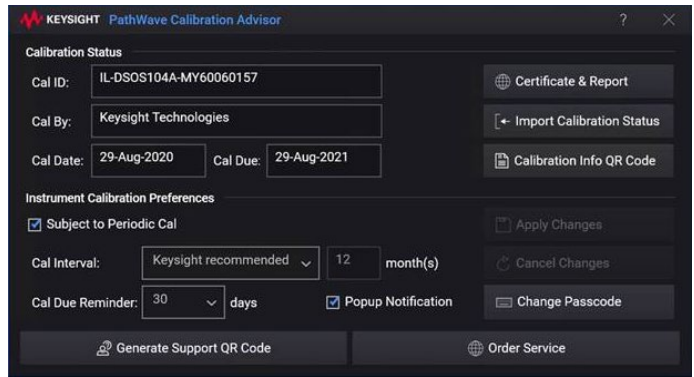

Configure PCA to:

- Receive calibration reminders

- View calibration status

- Set and manage calibration intervals

- View calibration documents and test reports

- Order Keysight-authorized services

- Refer to built-in online help

- View digital calibration label

- Obtain QR-coded configuration information

Access your instrument's latest calibration status and information by viewing the electronic calibration label that includes the last calibration date, next calibration due date, and calibration interval. The calibration label eliminates the need to hunt for your instrument's physical calibration sticker.
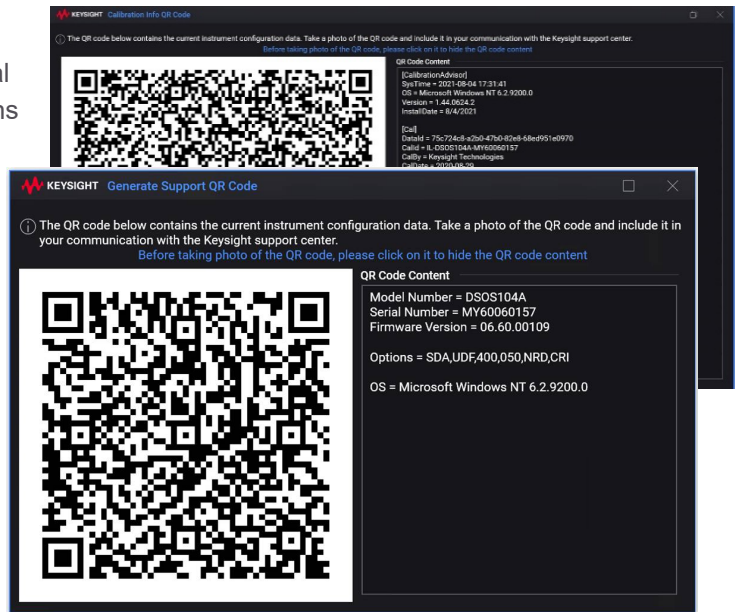

Import your instrument's calibration status document from the main PCA screen. Or, use PCA to access calibration certificates and test reports with a link to the online Keysight Support Portal (support.keysight.com).

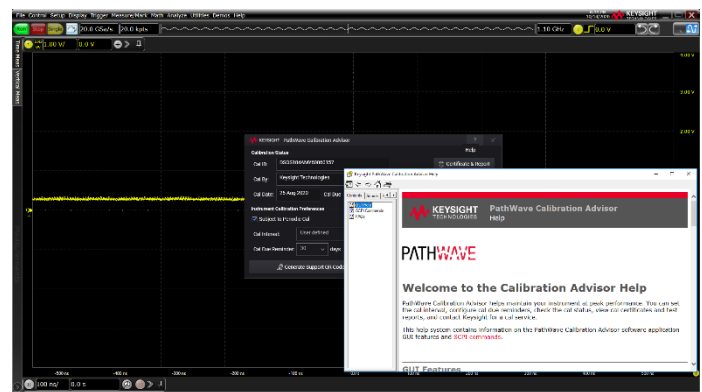## Unique QR Instrument and Calibration Codes

PCA stores your instrument model number, serial number, configuration including selectable options and more which makes it easy for PCA to also generate an all-in-one Support QR code that includes the details you need for easy identification, tracking, and a fast pass for service requests.

Additionally, PCA provides a calibration QR code with your instruments unique identification and detailed calibration history.
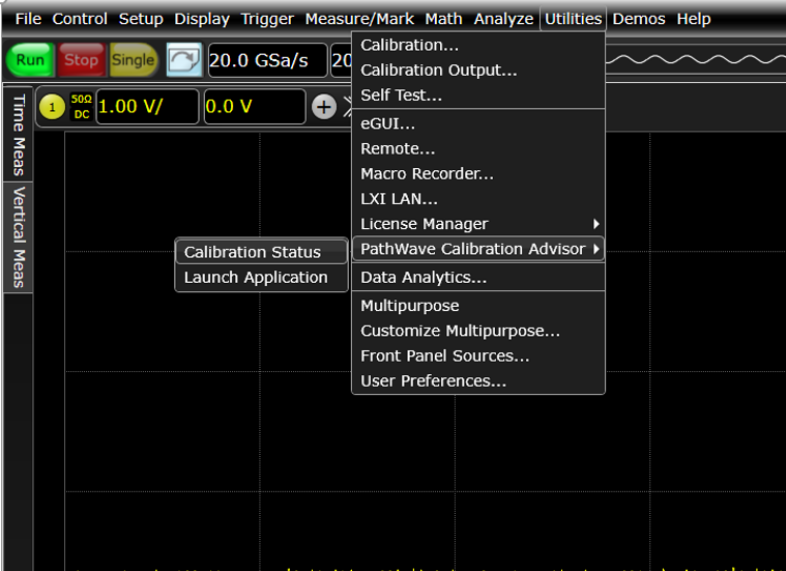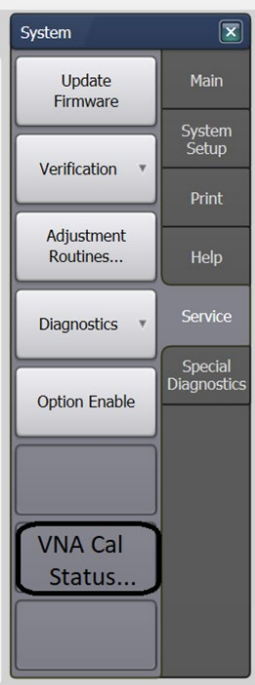

Built-in PathWave Calibration Advisor Help

The built-in help answers your questions on PCA features, how to access information and manage setting.

Easy navigation to PCA on your instrument

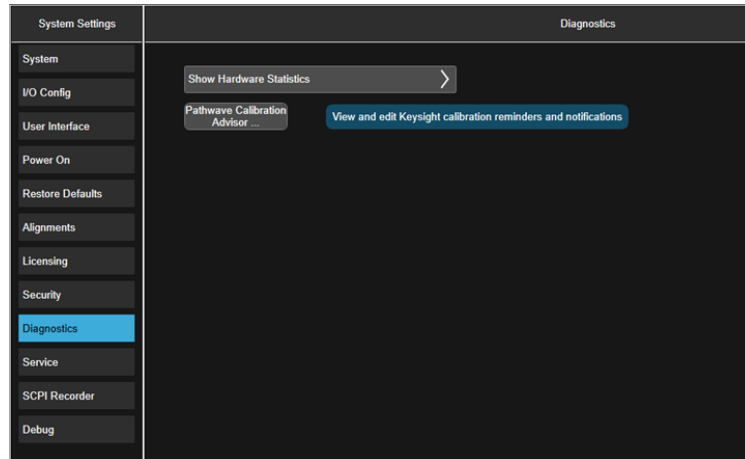The following table describes and demonstrates the PCA location on your instrument.

Instruments	Navigation to PCA
Infiniium Real-Time Oscilloscopes S/V/Z Series EXR/MXR/UXR Series 9000 Series 90000 A/L/Q.X Series See the list of PCA enabled oscilloscope model numbers for more details.	
PNA **PNA-L** **PNA-X** N5221B N5230B N5241B N5222B N5231B N5242B N5224B N5232B N5244B N5264B N5234B N5247B N5235B N5245B N5239B N5225B N5227B	

Signal Analyzers X-Series
N9000A/B, N9010A/B, N9020A/B
N9021B, N9030A/B, N9038A/B
N9040/41/42B, N9048B
SPN9003A, SPN9026A

Noise Figure Analyzers
N8973/74/75/76B

Configure PCA using SCPI commands

Standard Commands for Programmable Instruments (SCPI) commands can be used to access and control PCA as an alternative to controlling from the instrument's front panel. The PCA's SCPI commands are most convenient when controlling the instrument remotely. The following SCPI commands enable you to programmatically interact with PCA to set calibration intervals, notifications, or to change your passcode.

SYSTem: SERVice:MANagement:CALibration:

> **INFormation**

> INTerval:

>> **DEFault**

>> **VALue**

>> **TYPE**

> NOTification:

>> **ENABle**

> PASScode:

>> **CHANge**

>> **(VALue)**

> PERiodic:

>> **ENABle**

>> **REMinder**

PCA Enabled Oscilloscope Model Numbers

Infiniium Real-Time Oscilloscope Series	Model numbers
S	DSOS054A, MSOS054A, DSOS104A, MSOS104A, DSOS204A, MSOS204A, DSOS254A, MSOS254A, DSOS404A, MSOS404A, DSOS604A, MSOS604A, DSOS804A, MSOS804A
V	DSAV084A, DSOV084A, MSOV084A, DSAV134A, DSOV134A, MSOV134A, DSAV164A, DSOV164A, MSOV164A, DSAV204A, DSOV204A, MSOV204A, DSAV254A, DSOV254A, MSOV254A, DSAV334A, DSOV334A, MSOV334A
Z	DSAZ204A, DSOZ204A, DSAZ254A, DSOZ254A, DSAZ334A, DSOZ334A, DSAZ504A, DSOZ504A, DSAZ592A, DSOZ592A, DSAZ594A, DSOZ594A, DSAZ632A, DSOZ632A, DSAZ634A, DSOZ634A
EXR	EXR104A, EXR254A, EXR108A, EXR258A, EXR054A, EXR204A, EXR058A, EXR208A
MXR	MXR054A, MXR058A, MXR104A, MXR108A, MXR204A, MXR208A, MXR254A, MXR258A, MXR404A, MXR408A, MXR604A, MXR608A
UXR	UXR0051AP, UXR0134A, UXR0164A, UXR0204A, UXR0252AP, UXR0254A, UXR0254AP, UXR0334A, UXR0402A, UXR0402AP, UXR0404A, UXR0404AP, UXR0502A, UXR0504A, UXR0592AP, UXR0594A, UXR0594AP, UXR0702AP, UXR0704AP, UXR0804A, UXR1004A, UXR1104A
9xxx	DSO9024H, DSO9054H, DSO9064A, MSO9064A, DSO9104A, DSO9104AN, DSO9104H, MSO9104A, DSO9204H, DSO9254A, MSO9254A, DSO9404A, MSO9404A
9xxxx	DSA90254A, DSO90254A, DSA90404A, DSO90404A, DSA90604A, DSO90604A, DSA90804A, DSO90804A, DSA91204A, DSO91204A, DSA91304A, DSO91304A
93xxxL	DSA93004L, DSO93004L
X9xxxxQ	DSAX92004Q, DSOX92004Q, DSAX92504Q, DSOX92504Q, DSAX93304Q, DSOX93304Q, DSAX95004Q, DSOX95004Q, DSAX96204Q, DSOX96204Q
X9xxxxxA	DSAX91304A, DSOX91304A, MSOX91304A, DSAX91604A, DSOX91604A, MSOX91604A, DSAX92004A, DSOX92004A, MSOX92004A, DSAX92504A, DSOX92504A, MSOX92504A, DSAX92804A, DSOX92804A, MSOX92804A, DSAX93204A, DSOX93204A, MSOX93204A

Product Availability

The PathWave Calibration Advisor will be updated as more products are PCA enabled.

Conclusion

Start using PCA today to ensure current calibration with easy configurable reminders.

For questions on PathWave Calibration Advisor, you can contact Keysight's Technical support team and click on "Visit Keysight Product Support".

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

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